



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL INFORMATICS AND INNOVATIVE SYSTEMS
UNIVERSITY EXAMINATION FOR THE DEGREE OF MASTER OF SCIENCE
MANAGEMENT INFORMATION SYSTEM
1ST YEAR 2ND SEMESTER 2013/2014 ACADEMIC YEAR
CENTRE: KISUMU

COURSE CODE: IIS 5123

COURSE TITLE: E-BUSINESS ARCHITECTURE AND SYSTEMS

EXAM VENUE: STREAM: BSc. Management Information System

DATE: 2/12/2013 EXAM SESSION: 9.00 – 12.00 NOON

TIME: 2 HOURS

Instructions:

- 1. Answer question 1 (Compulsory) and ANY other 2 questions.**
- 2. Candidates are advised not to write on the question paper.**
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room.**

Question One

- a) e-business, in detail (3 marks)
- b) E-commerce has transcended the restriction of space and time, making it possible to negotiate and sign contracts at any time and any place. Thus the security problem has become very important. Outline some of the major issues that should be addressed. (7 marks)
- c) The reliability of e-commerce system is the foundation of e-commerce security. Discuss the several categories of the security and reliability problem of e-commerce system. (5 marks)
- d) Outline and explain five benefits of e-business and e-commerce (5 marks)

Question Two

- a) There are three models for e-business. Outline and describe them (10 marks)
- b) Outline the typical database management system functionality (6 marks)
- c) Explain the security measures to be considered for any B2B e-commerce system (6 marks)

Question Three

- a) E-commerce security is best studied by examining the overall process, beginning with the consumer and ending with the commerce server. Discuss (6 marks)
- b) Explain why the widespread use of the Internet has resulted in an increase in intellectual property threats. (6 marks)
- c) E-commerce infrastructure has been a barrier towards international e-commerce .Explain. (8 marks)

Question Four

- a) What are the new capabilities that the Internet is bringing to commerce?. (6 marks)
- b) Compare and contrast between e-commerce and e-business (6 marks)
- c) The primary task in protecting a client machine is the monitoring of active content. Each browser handles this in a different way. Explain (8 marks)

Question Five

- a) Discuss the various components of an e-commerce system from the component based development. (20 marks)